

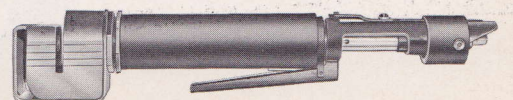
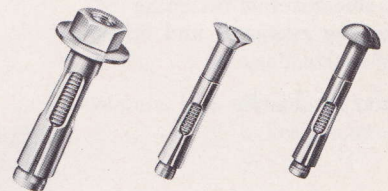
Remington

INDUSTRIAL FASTENERS

Remington



INDUSTRIAL FASTENING DIVISION
THE COMPLETE SPECIALTY INDUSTRIAL FASTENING SERVICE

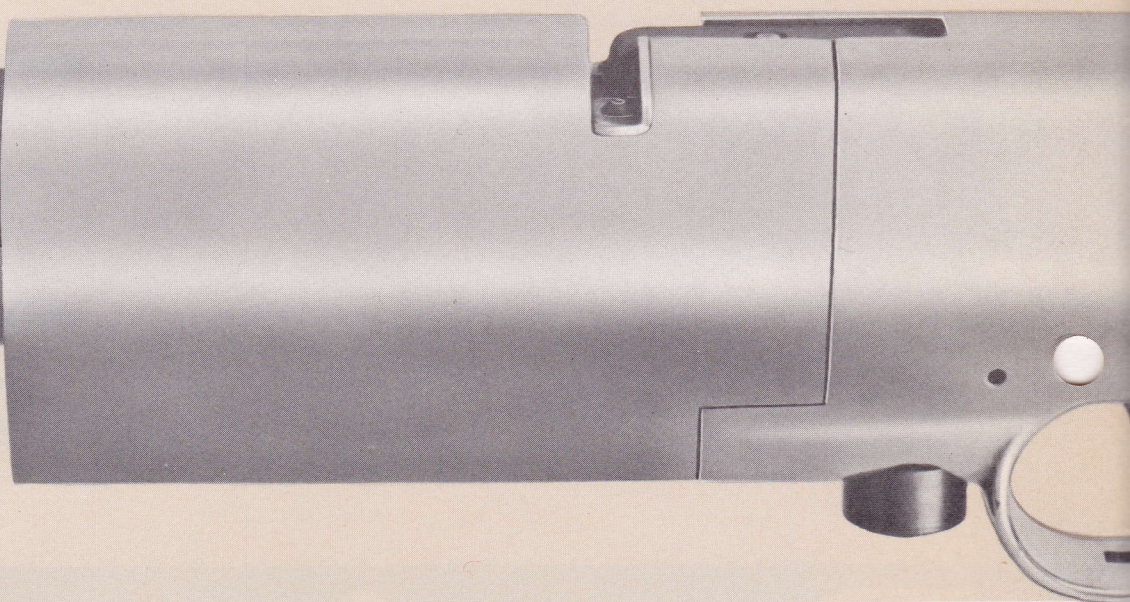
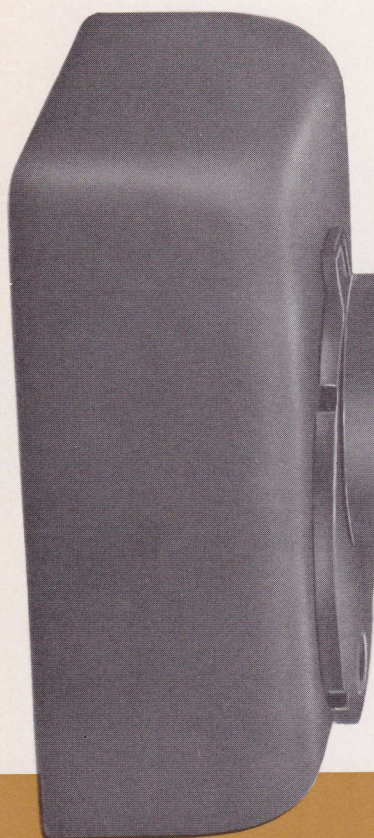


Remington

NEW MODEL 462

LOW & STANDARD VELOCITY

"TRI-COMPACT" STUD



CHANGE TO

LOW VELOCITY

ALMOST AS FAST AS

*Lifting
this flap!*

K-11 LOW VELOCITY CONVERSION KIT

Converts the Model 462 to the "Low Velocity Compact". Makes over-penetration and ricochet virtually impossible. Uses special detent fasteners and 22 caliber crimped power loads specially designed for this low velocity tool. Kit includes low velocity piston and barrel assembly, 22 caliber chamber bushing, six spare buffers, ram rod, Allen wrenches, and short piston for anchoring MH-300 fastening pins.



To convert the "Low Velocity Compact" to the $\frac{1}{4}$ " or $\frac{3}{8}$ "—"Standard Compact" you must purchase either the K-12 or K-13 Kit plus a GS-62 Standard Guard.

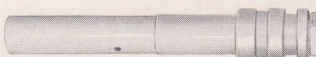
K-12 $\frac{1}{4}$ " BARREL CONVERSION KIT

Converts the Model 462 to the $\frac{1}{4}$ "—"Standard Compact" to cover the complete range of $\frac{1}{4}$ " fastening jobs. Kit includes 22 caliber chamber bushing and $\frac{1}{4}$ " barrel.



K-13 $\frac{3}{8}$ " BARREL CONVERSION KIT

Converts the Model 462 to the $\frac{3}{8}$ "—"Standard Compact". Performs most $\frac{3}{8}$ " fastening jobs. Kit includes 22 caliber chamber bushing and $\frac{3}{8}$ " barrel. Full line of special guards available for "Standard Compacts". See Page 6.

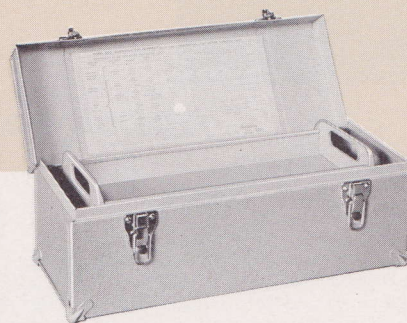


DRIVER



STANDARD VELOCITY COMPACT

- Covers the complete range of $\frac{1}{4}$ " fastening jobs with conversion to the low cost K-12 Kit—handles 30 different pins and studs (see Pages 8 and 9).
- Covers most of the $\frac{3}{8}$ " fastening jobs with conversion to the low cost K-13 Kit—a range of 22 additional pins and studs.
- Conversion to either Kit simple and fast—just loosen two Allen screws, slip out the low velocity assembly and insert either of the standard velocity barrels and guard—all done in 30 seconds.
- Special guards available at low cost for the unusual or repetitive applications.
- Slim and trim—lightweight—few parts—easy to handle and simple to keep in operation.
- For those wanting just the one tool ($\frac{1}{4}$ " or $\frac{3}{8}$ "—"Standard Compact") either the K-12 or the K-13 Kit can be bought as a complete tool.



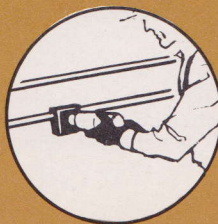
Available with this steel carrying case with removable tray.



FASTENING
WOOD TO
CONCRETE



FLEXIBLE
FRAMING SECTIONS
TO STEEL, CONCRETE



FASTENING
CONDUIT CLIP
TO STEEL, CONCRETE



ELECTRICAL
RACEWAYS
TO CONCRETE



ANCHORING
RADIATOR
BASEBOARD



HANGING
ACOUSTICAL CEILING

**For those who
want the best -**

MODEL 455A

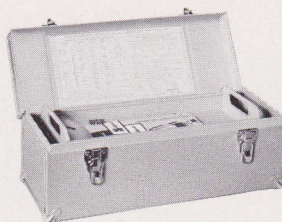
Remington

STUD DRIVER



Sold as a basic Power Unit—the “Power-Mate”—with a choice of four kits.

- Covers the complete range of powder actuated fastening, giving light, medium and heavy-duty anchoring of $\frac{1}{4}$ " and $\frac{3}{8}$ " pins and studs in masonry and steel.
- The fastest and most versatile fastening tool on the market. Sets up to six fasteners a minute. Barrels can be changed for different types of fastening in a matter of seconds.
- Real job-site economy and satisfaction all wrapped up in a single precision-engineered unit.



Comes in rugged steel carrying case with removable tray.

MODEL 455A STUD DRIVER KITS

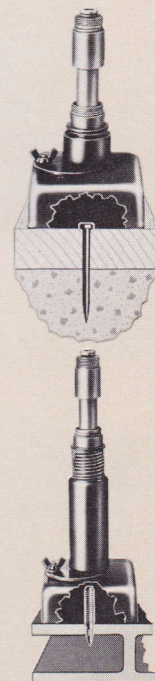
K-1 "CAPTIVE STUD" KIT—Combines with “Power-Mate” to form safest Stud Driver ever designed. Fastener is threaded into square-headed steel piston for positive holding action. Guard features square-bored aluminum buffer to intercept piston and fastener in event of over-penetration. Uses all “Power-Guide” $\frac{1}{4}$ " and $\frac{3}{8}$ " diameter threaded fasteners, as well as exclusive Remington Combination-head fasteners. Kit includes 22 caliber chamber bushing, barrel, $\frac{1}{4}$ " piston, guard, 2 spare buffers; also — buffer knockout rod, fixture, and buffer assembly mandrel. Special $\frac{1}{4}$ " flush drive and $\frac{1}{4}$ " or $\frac{3}{8}$ " heavy duty pistons available at extra cost.



K-2 $\frac{1}{4}$ " LIGHT-DUTY KIT—The light-duty stud driver kit accomplishes 80% of your fastening in concrete and steel. Uses all 30 Remington $\frac{1}{4}$ " diameter standard fasteners. Kit includes 22 caliber chamber bushing, $\frac{1}{4}$ " barrel, and guard.



K-3 $\frac{3}{8}$ " MEDIUM-DUTY KIT—The medium - duty stud driver kit that gives top performance at low cost. Uses $\frac{3}{8}$ " diameter Remington “Power-Guide” fasteners and anchors them with inexpensive 22 caliber power loads. Kit includes 22 caliber chamber bushing, short $\frac{3}{8}$ " barrel, and guard.



K-4 $\frac{3}{8}$ " MEDIUM AND HEAVY DUTY KIT—Performs the toughest fastening jobs in concrete and steel. Uses the $\frac{3}{8}$ " diameter line of Remington “Power-Guide” fasteners. Gives wide range of application through both 22 caliber and 32 caliber loads. Kit includes 22 caliber chamber bushing, 32 caliber chamber bushing, long $\frac{3}{8}$ " barrel, guard, and rubber handle grip.



Remington "MIGHTY-MITE"

MODEL 456
POWDER ACTUATED STUD DRIVER



- Low-cost, lightweight fastening partner of the "Power-Mate" and "Tri-Compact." An ideal investment for the contractor or maintenance man whose operation does not demand the speed or versatility furnished by these stud drivers.
- Handles the complete line of $\frac{1}{4}$ " diameter Remington "Power-Guide" fasteners and 22 caliber power loads. Does the light-duty fastening jobs in concrete and steel.
- Effortless—takes only a light tap to effect instant fastening.
- Safe—can be fired only with handle rotated and depressed, and guard held firmly against work surface.

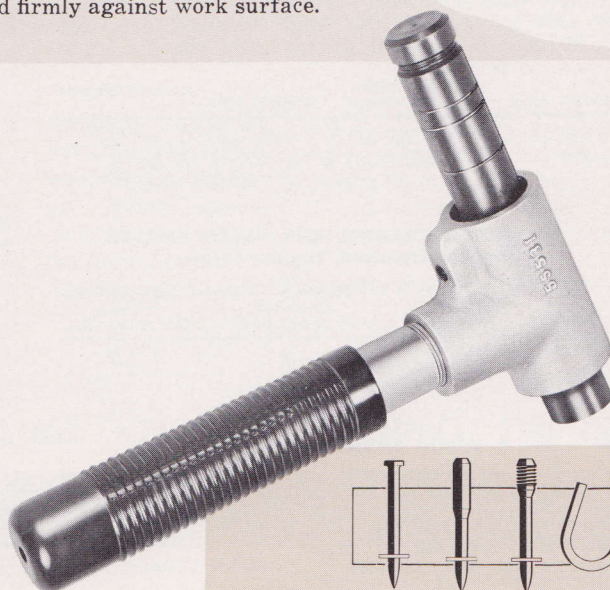
Remington MODEL 431 "PIN-BOY" SIDE HANDLE and tough new FASTENING PINS

- For light-duty hammer-driven fastenings.
- Simple, rugged "Pin-Boy" helps you hammer fasteners into masonry or steel without drilling or bolting.
- Plastic handle available for converting Model 431 to Model 430.
- New Remington fastening pins, made of specially alloyed and hardened steel, give you holding power and strength at low cost (see Page 7).



MODEL 430 "PIN-BOY"

Side handle assembly available for converting Model 430 to Model 431.



Fastening pins available in 8 headed types, 6 threaded types and 3 wire-loop types. Three types of wire loops available.



TAHLEN HAMMER

This sturdy Tahlen hammer transfers a solid blow to the Remington "Pin-Boy" from any striking angle. No-bounce feature provides maximum efficiency.

Cat. No.
302
303

Weight
2 lbs.
3 lbs.

Remington

SPECIAL GUARDS

For use with "Power-Mate" K-2 & K-3 Kits and "Tri-Compact" K-12 & K-13 Kits unless specified otherwise.
*Designates "Tri-Compact" guards.

All special guards except GCM-41 may be ordered custom made for use with "Power-Mate" K-4 Kit

Custom guards may be ordered for many fabricated sections not listed below. A sample of section must accompany orders for custom guards. Send order and sample of section to Remington Arms Company, Inc., Power Tools Department, Park Forest, Illinois.

GLC-21, GLC-61* LATHING CHANNEL GUARDS

For fastening lathing channel to concrete or steel. Custom guards are available for most commercial lathing channel or angle sections. A 6" sample length of section must accompany order for guards other than those described below.

GUARD INDEX NOS.	USED WITH
GLC-21	$\frac{3}{4}$ " , $1\frac{1}{2}$ " , $2\frac{3}{4}$ " & $3\frac{1}{4}$ "
GLC-61*	(cold rolled) furring channel

GCA-21, GCA-61* CEILING CLIP GUARDS

For overhead suspension of light loads, girds, false ceilings and other structures.

GA-29, GA-69* STRUCTURAL ANGLE GUARDS (regular series)

For anchoring structural angles to concrete or steel. Special guards for angle sizes not listed available on order provided vertical leg does not exceed $2\frac{3}{4}$ " and thickness does not exceed $\frac{1}{4}$ ". Orders for custom guards must specify angle leg dimensions and thickness.

GUARD INDEX NOS.	ANGLE SIZE
GA-29	$1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{8}$ ", $3/16$ " or $\frac{1}{4}$ "
GA-69*	$1\frac{3}{4}$ " x $1\frac{3}{4}$ " x $\frac{1}{8}$ ", $3/16$ " or $\frac{1}{4}$ " 2 " x 2 " x $\frac{1}{8}$ ", $3/16$ " or $\frac{1}{4}$ "

GC-21, GC-61* STRUCTURAL CHANNEL AND I-BEAM GUARDS (American Standard, Regular Series)

GUARD INDEX NOS.	DEPTH (INCHES)	Channel or Wt./Foot (lbs.)	I-Beam Size Wt./Foot (lbs.)
GC-21	3	4.1	5.7
GC-61*	3	5.0	-
	3	6.0	7.5

GS-21, GS-61* 2 x 4 WOOD SECTION GUARDS

For fastening 2" x 4" dressed wood sills, plates or furring to concrete or steel.

GU-21, GU-23, GU-61*, GU-63* FLEXIBLE FRAMING SECTION GUARDS

For anchoring "Unistrut" and "Flexa" sections to concrete or steel. Send sample of section with orders for custom guards.

GUARD INDEX NOS.	USED WITH UNISTRUT	SECTION FLEXA
GU-21, GU-61*	P-1000	F-30
GU-21, GU-61*	P-2000	F-40
GU-23, GU-63*	P-3000	-
GU-23, GU-63*	P-4000	-

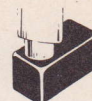
GHC-21, GHC-61*

HALF CIRCLE GUARDS



For anchoring studs close to vertical surfaces when necessary. (Standard guard should be used where space permits.)

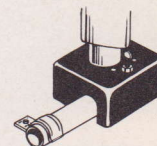
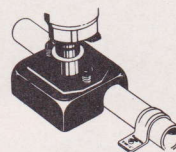
GDB-21, GDB-61* DOOR BUCK GUARDS



For door buck sizes as small as $1\frac{1}{2}$ " opening. Outrigger type stabilizer for proper positioning of tool. Features disc retainer for 5255 disc. FOR USE ONLY WITH K-2, K-12* and K-13* STUD DRIVER KITS. Where width of opening will permit, half circle or standard guard should be used.

GD-21, GD-61* DUCT HANGER GUARDS

Anchor duct hanger straps of thickness up to $\frac{1}{8}$ " and of widths $\frac{3}{4}$ " to 1". Disc retainer permits use of a disc when "nailing" hangers of thin section.



GCC-21, GCC-61* CONDUIT CLIP GUARDS

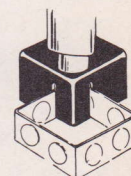
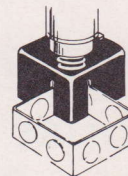
For anchoring pipe and electrical conduit to steel, concrete and other structural materials. Use special conduit clips illustrated on Page 7. Adjust instantly to anchor $\frac{1}{2}$ ", $\frac{3}{4}$ " and 1" pipe or conduit, both light and heavy wall types.

GL-21, GL-61* "LOXIT" CHANNEL GUARDS

Used with "LOXIT" channel CH-3 to anchor hardwood flooring to concrete slab. Suitable for both grouted and ungrouted channel.

GR-21, GR-61* CARPET GRIPPER GUARDS

Used with plywood gripper strip to anchor wall-to-wall carpet on concrete or terrazzo floor. Special guards for various carpet strips available on order.



GB-25, GB-65* SWITCH, UTILITY, AND OUTLET BOX GUARDS

The Cupped Washer, Index No. CW125 (see Page 7) is the easiest and most convenient method for anchoring switch, utility and outlet boxes to steel or concrete. Guards for all types, sizes and makes of switch, utility and outlet boxes are available for contractors who prefer to drive studs directly through the box into the sub-surface.

When ordering custom guards for boxes not listed at right ORDERS MUST SPECIFY BOX MANUFACTURER'S NAME AND BOX NUMBER OR A SAMPLE BOX MUST BE SUBMITTED WITH THE ORDER.

GUARD INDEX NOS.	NORMAL BOX SIZES	FOR BOX NUMBERS
	4" x 2" x 2"	General Electric SP-5800 Appleton OB-4CS & OB-4SSL National 2018, 2020 & 2021 Steel City, 58351, 58361, 58371
	$3\frac{3}{4}$ " x $1\frac{1}{2}$ " x $1\frac{3}{8}$ "	General Electric SP-4800 Appleton OB-4SS
GB-25		G. E. SP-52141, SP-52151, SP-52171 Appleton OB-4SL & OB-4S
GB-65*	4" Square	National 2407, 2400, 2401 & 2410 Steel City 52141, 52151, 52171
	4" Octagonal	G. E. SP-54151 & SP-54171 Appleton OB-40 National 2700, 2701, 2702, 2714, 2715, & 2790 Steel City 54151 & 54171

GW-21, GW-61* "WIREMOLD" SECTION GUARDS

For anchoring "Wiremold" section to concrete or steel. Used with "Wiremold" Section #1500.

K-1 SPECIAL GUARDS

GCM-41 ROBERTSON GALBESTOS GUARD

For fastening Robertson Galbestos roofing and siding. Custom guards for other corrugated materials available on special order. All, including GCM-41 are restricted to use with K-1.

K-1 SPECIAL GUARDS FOR OTHER APPLICATIONS

- GCC-41 Conduit Clip
- GHC-41 Half-Circle
- GC-41 3" Structural Channel and "I" Beam
- GCA-41 Ceiling Clip
- GLC-41 Lathing Sections
- GD-41 Duct Hanger
- GL-41 "Loxit" Channel
- GA-49 Structural Angle
- GS-41 2 x 4 Wood
- GR-41 Carpet Gripper
- GB-41 Outlet Box 4" x 2" x 2"
- GB-42 Outlet Box 3 3/4" x 1 1/2" x 1 3/8"
- GB-43 Outlet Box 4" Square
- GB-44 Outlet Box 4" Octagonal

Custom guards for other applications fabricated on special order.

ACCESSORIES

BREAK-OFF TOOL PART NO. BT-2

Strong alloy steel shank for fast removal of break-off type stud heads.

STUD TESTER INDEX NO. 1000

For testing pull-out value of sprinkler studs. Tester exerts 1000 lbs. force on stud.

DISC INDEX NO. 8412

For installations where a watertight fastening is required such as anchoring of corrugated roofing and siding. For use with Model 455A and 462.

DISC INDEX NO. 5255

For controlled stud penetration while anchoring wood, other soft materials and thin steel sections to concrete and steel. For use with Model 456.

CUPPED WASHER INDEX NO. CW125

For quick, sure, easy, low-cost, safe anchoring of switch, utility and outlet boxes to steel and concrete using 1/4" studs.

COUPLING INDEX NO. 5C43

#10-24 N.C.—1/4"—20 N.C. female thread. Couples 10-24 N.C. fixtures and fittings to 1/4" studs driven into steel and concrete.

COUPLING INDEX NO. 6C44

1/4" — 20 N.C. female thread. Couples 1/4" threaded fittings, eye bolts and hangers to 1/4" studs driven into steel and concrete.

CEILING CLIP INDEX NO. CC-312

Has 5/16" drilled hole for hanging ductwork, false ceilings and similar light materials with tie wires.

See Special Guards.

DISC INDEX NO. 8408

For controlled stud penetration while anchoring wood, other soft materials and thin steel sections to concrete and steel. For use with Models 455A and 462.

EYE NUT INDEX NO. EN4

For easy, low-cost suspension of light loads from 1/4" studs driven into steel and concrete. 1,500 lb. breaking strength. Large eye for easy tie-wire connection.

COUPLING INDEX NO. 11C46

1/4"—20 and 3/8"—16 N. C. female thread. Carries UL and Factory Mutual Laboratories approval for sprinkler installations.

COUPLING INDEX NO. 8C66

3/8" — 16 N. C. female thread for coupling 3/8" fittings and hangers to 3/8" studs driven into steel and concrete.

COUPLING INDEX NO. 9C68

3/8" — 16 N. C. and 1/2" — 13 N. C. female thread for coupling 1/2" threaded fixtures and hangers to 3/8" studs driven into steel and concrete.

CONDUIT CLIPS

Specially designed for Models 455A and 462 Stud Driver. Heavy gauge, zinc plated, marked for conduit size. See Special Guards

Index No. Conduit Size

- TW 1/2 1/2" Thin wall
- *HW 1/2 1/2" Heavy wall or rigid
- TW 3/4 3/4" Thin wall

Index No. Conduit Size

- *HW 3/4 1/4" Heavy wall or rigid
- TW 1 1" Thin wall
- *HW 1 1" Heavy wall or rigid

*Also fits iron pipe this size.

REMINGTON FASTENERS AND LOADS FOR MODEL 462 "LOW VELOCITY COMPACT" STUD DRIVER

REMINGTON LOADS FOR MODEL 462 "LOW VELOCITY COMPACT" ONLY



22 Caliber
(Crimped)

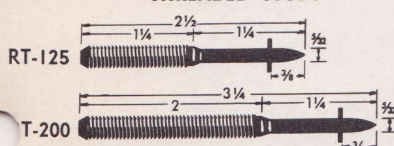
AC-22
Extra Light Load
Brown

BC-22
Light Load
Green

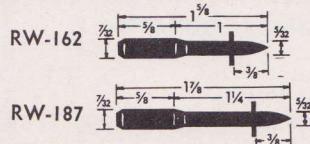
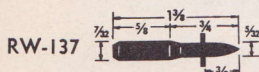
DC-22
Medium Load
Yellow

FASTENERS FOR USE WITH THE REMINGTON "PIN-BOYS" ONLY

THREADED STUDS



WIRE LOOP

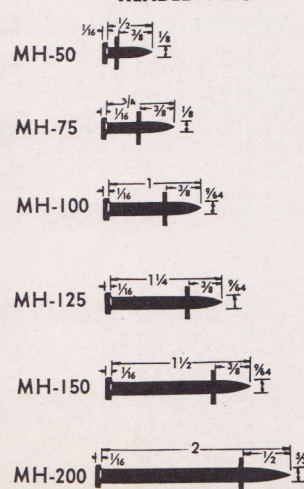


LOOP

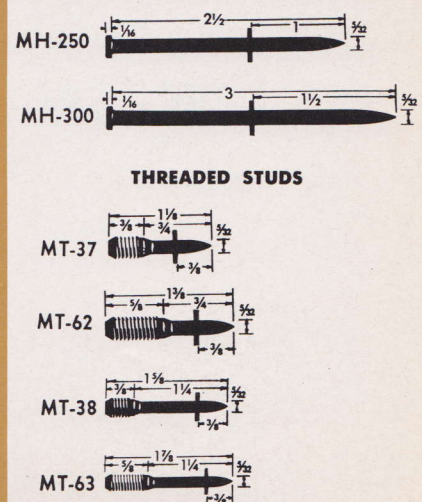
- RL-1 Size: 1/2
- RL-2 Size: 5/8
- RL-3 Size: 7/8

FASTENERS FOR USE WITH "LOW VELOCITY COMPACT" & "PIN-BOYS"

HEADED PINS



THREADED STUDS



All fasteners shown approximately 1/2 actual size.

Remington

"POWER GUIDE" STUDS

Illustrated approximately 1/2 size.

For your protection, every genuine Remington Stud is identified by the Target symbol on the head, and (excepting the Combination—head type used exclusively in the K-1 Kit) features a green "Power-Guide" on the head end.

The green "Power-Guide" is your assurance of Remington quality. It provides the superior gas sealing . . . and resulting full utilization of Power Loads . . . essential to consistent penetration and holding power in structural materials. "Power-Guide" retains stud in barrel prior to firing; then guides it for straight driving into base material. Characteristics of hardness, strength and profile found in Remington Studs have been developed after exhaustive testing. In their design, consideration has been given to both general and specific applications with Remington Stud Drivers in both concrete and steel.

The use of other than Remington Studs in Remington Powder Actuated Tools may be hazardous and may result in insecure fastenings. For best results, look for the green "Power-Guide"—your assurance of Remington quality and performance.

AVERAGE PULL-OUT RESISTANCE

CONCRETE (3500 PSI TEST)—Twenty studs of each shank diameter were driven into high early strength concrete and pulled out with a Universal Testing Machine. Average pull-out figures for each shank diameter are shown below.

SHANK DIAMETER	TYPICAL STUD INDEX NO.	PENETRATION IN CONCRETE	PULL-OUT VALUE
1/8"	E-11	7/8"	1,720 lbs.
3/32"	S-27	1-1/4"	3,725 lbs.
1/16"	S-32	1-1/4"	4,207 lbs.
3/16"	X-42	1-1/4"	3,785 lbs.
7/32"	X-45	1-1/2"	5,445 lbs.
1/2"	S-47	1-7/8"	6,420 lbs.
5/16"	N-54	1-3/4"	7,510 lbs.

STEEL PLATE—Twenty studs were driven into steel plates of 1/4", 3/8", 1/2", and 3/4" thickness. Steel used conformed to specifications for SAE 1020 steel. All studs were driven to design depth. Studs were pulled out by the Universal Testing Machine. Average pull-out figures for various thicknesses of steel plate are shown below.

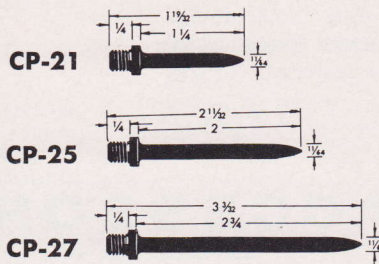
SHANK DIAMETER	TYPICAL STUD INDEX NO.	STEEL PLATE THICKNESS	PULL-OUT VALUE
5/32"	X-72	3/16"	2,065 lbs.
3/16"	X-83	3/16"	2,000 lbs.
1/8"	X-72	1/4"	3,159 lbs.
3/16"	X-83	1/4"	4,275 lbs.
1/4"	X-75	3/8"	3,344 lbs.
5/16"	X-83	3/8"	4,700 lbs.
3/8"	N-02	3/8"	6,800 lbs.
1/2"	X-77	1/2"	3,245 lbs.
5/8"	X-83	1/2"	3,940 lbs.
3/4"	N-04	1/2"	9,075 lbs.
1"	F-31	3/4"	3,260 lbs.
1 1/4"	N-02	3/4"	10,177 lbs.
1 1/2"	X-72	1"	962 lbs.
1 3/4"	N-04	1"	7,802 lbs.

NOTE: All Remington Studs will fit into one of the categories shown above. Typical studs of each type were used in tests.*

USE IN K-1 STUD DRIVER KIT

1/4" CONCRETE

COMBINATION HEAD



1/4" STEEL

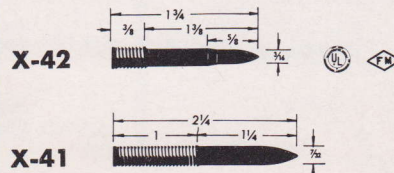
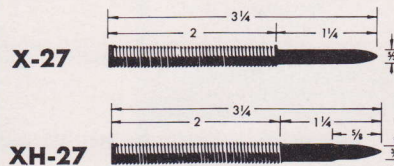
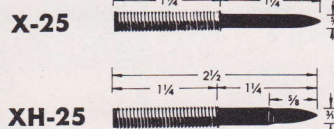
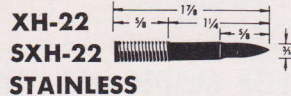
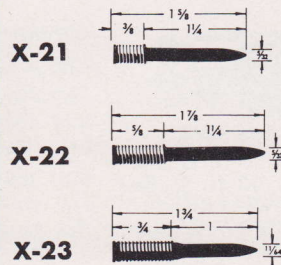
COMBINATION HEAD



USE IN K-1, K-2 & K-12 STUD DRIVER KITS ALSO "MIGHTY-MITE"

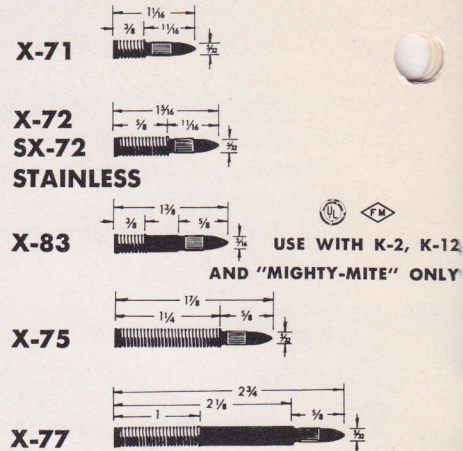
1/4" CONCRETE

EXTERNAL THREAD



1/4" STEEL

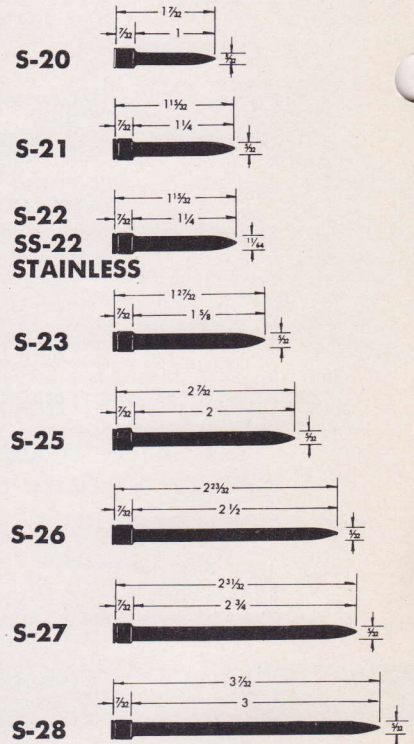
EXTERNAL THREAD



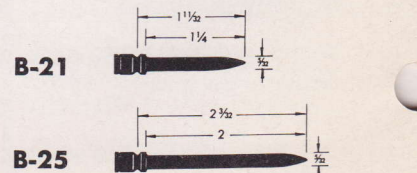
USE IN K-2 & K-12 STUD DRIVER KITS ALSO "MIGHTY-MITE"

1/4" CONCRETE

STANDARD HEAD

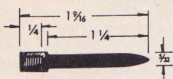


BREAK-OFF HEAD



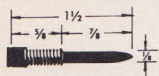
INTERNAL THREAD

F-15



EXTERNAL THREAD

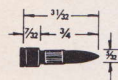
E



1/4" STEEL

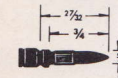
STANDARD HEAD

S-71



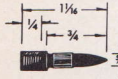
BREAK-OFF HEAD

B-71



INTERNAL THREAD

F-31

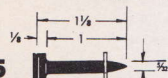


USE IN K-3, K-4 & K-13
STUD DRIVER KITS

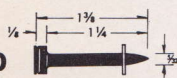
3/8" CONCRETE

FLAT HEAD

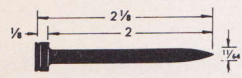
SD-15



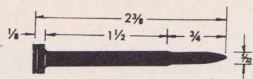
SD-20



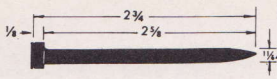
S-32



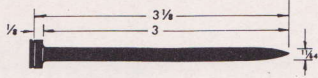
S-33



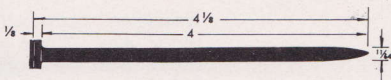
S-34



S-35

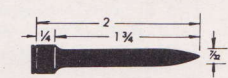


S-38

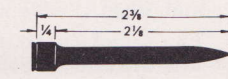


STANDARD HEAD

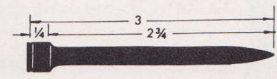
S-41



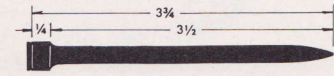
S-43



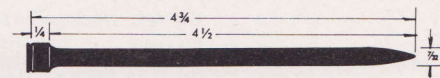
S-45



S-47

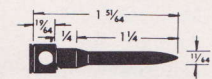


S-49

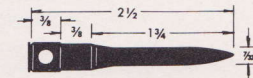


EYE TYPE

L-31



L-41



These studs are listed and approved by Underwriters' Laboratories and Factory Mutual Laboratories for hanging sprinkler pipe.

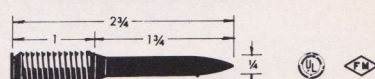


USE IN K-1, K-3, K-4 &
K-13 STUD DRIVER KITS

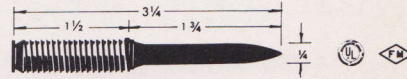
3/8" CONCRETE

EXTERNAL THREAD

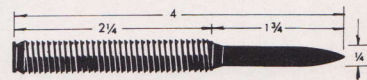
N-52



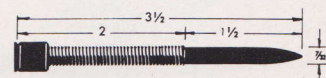
N-54



N-56



X-45

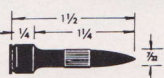


USE WITH K-3, K-4 AND K-13 ONLY

3/8" STEEL

STANDARD HEAD

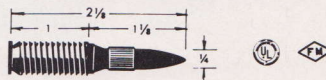
S-92



USE WITH K-3, K-4
AND K-13 ONLY

EXTERNAL THREAD

N-02



N-04



SHEAR AND TENSILE STRENGTHS*

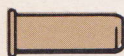
STUD MINIMUM DIAMETER AT POINT OF LOAD	AVERAGE SHEAR STRENGTH (LBS.)	AVERAGE TENSILE STRENGTH (LBS.)
1/8"	2,405	3,540
5/32"	3,490	5,030
11/64"	4,440	6,538
3/16"	5,325	7,825
7/32"	6,625	9,475
1/4"	9,475	12,605
21/64"	16,200	21,600

POWER LOADS

Power loads are made in 22 caliber for driving 1/4" and 3/8" studs and in 32 caliber for driving 3/8" studs for heavy-duty applications. Many 3/8" studs can be anchored with 22 caliber power loads for low cost fastening.

Strength of the load is identified by color of the wad in each power load.

22 CALIBER (Standard)



B 22
Light Load
Green Wad

D 22
Medium Load
Yellow Wad

F 22
Heavy Load
Red Wad

H 22
Extra Heavy Load
Purple Wad

J 22
Magnum Load
Black Wad

22 CALIBER (Special)



L 22
Light Load
Green Wad

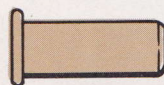
M 22
Medium Load
Yellow Wad

25 CALIBER (For use in Stud Drivers using 25 Caliber Loads)



RQ 3
Heavy Load
Red Wad

RQ 4
Extra Heavy Load
Purple Wad



D 32
Medium Load
Yellow Wad

32 CALIBER
A 32
Extra Light Load
Brown Wad

B 32
Light Load
Green Wad

F 32
Heavy Load
Red Wad

H 32
Extra Heavy Load
Purple Wad

Remington

"ROTO-RAM"

IMPACT DRILLS

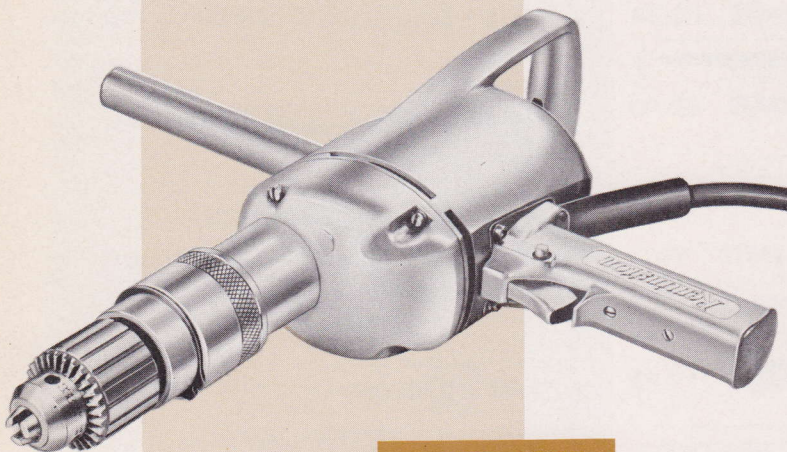
HAMMER-DRILL ACTION MAKES CLEAN HOLES . . . FAST!

Designed especially for drilling into brick, concrete, block and other similar materials. The "Roto-Ram" drills and hammers at the same time making clean holes in seconds.

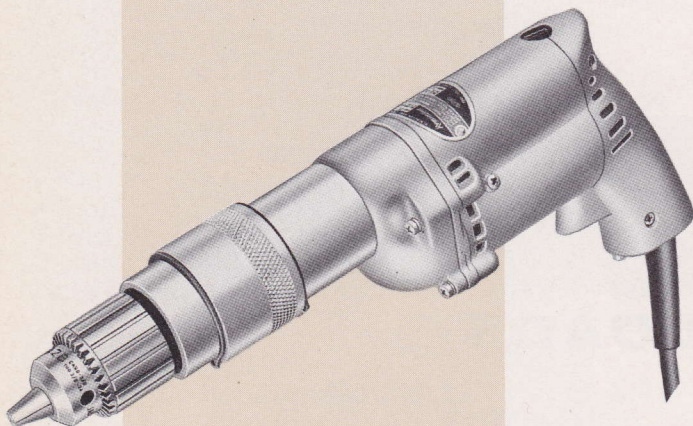
It's a two-in-one tool. Flip the sleeve and it operates as a Roto-Ram. Another twist, and it's a heavy-duty drill. Use it either way—depending on your job.

The Model 125H is recommended for heavy-duty work and when a wide range of hole sizes are necessary.

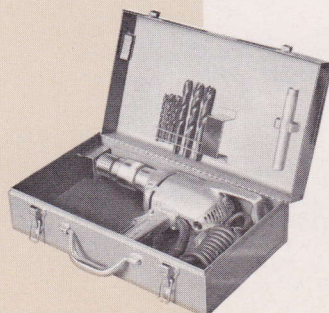
For standard applications, the Model 381H Roto-Ram fills the bill. If your job requires expansion bolts or the new Remington "Taper-Tite" fasteners, one of the Roto-Rams will save you time, money and manpower.



MODEL 125H



MODEL 381 H



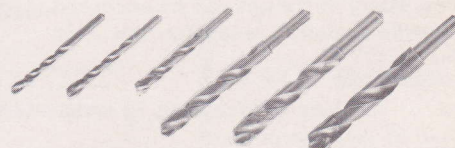
SPECIFICATIONS

	Model 125H	381H
Hammer Blows—Per Minute	3,500	5,600
Free Speed RPM	500	800
Load Speed	425	600
Switch Lock—Handle button with trigger release		
Length	16"	12"
Spindle Offset	1.25"	1"
Weight	10 1/2 lbs.	7 lbs.
Motor AC-DC	115	115
Ampere Rating	7.0	2.5
Equipment—Jacobs chuck, key, 10 ft. 3-wire cord, plug, and ground safety adapter.		

Drilling Capacity—*Model 125H*: 1/2" Steel, 3/4" Concrete, Tile, Porcelain, Hard Brick and Terrazzo. 1" Common Brick, Block and Wood.
Model 381H: 3/8" Steel, Concrete, Tile, Porcelain, Hard Brick and Terrazzo. 3/4" Common Brick, Block and Wood.

ROTO-RAM KIT

Both models available as a Kit (125HK & 381HK). 125HK includes 6 percussion masonry bits (listed below) and convenient carrying case with tray. 381HK includes 4 drill bits and carrying case.

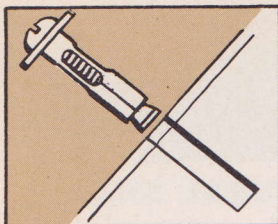


PERCUSSION MASONRY DRILL BITS

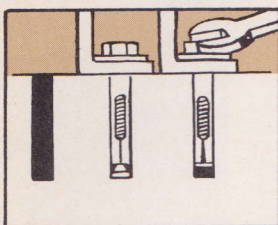
PART NO.	DIAMETER	LENGTH
55472	1/4"	4"
55473	5/16"	4"
55474	3/8"	4"
55475	1/2" **	6"
55476	5/8" ***	6"
55477	3/4" ***	6"

* 3/8" shank

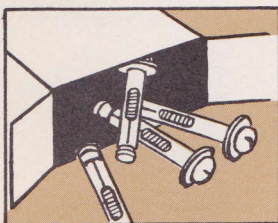
** 1/2" shank



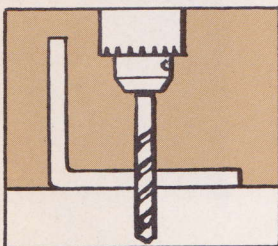
**FITS HOLE SAME
DIAMETER AS ITSELF**
Requires no "oversize"
drilling—saves time
and work.



EASY TO USE
Just drill hole, drop
in fastener, draw
head down tight—
job's done.



COMES PRE-ASSEMBLED
—no matching-up of
parts to do.

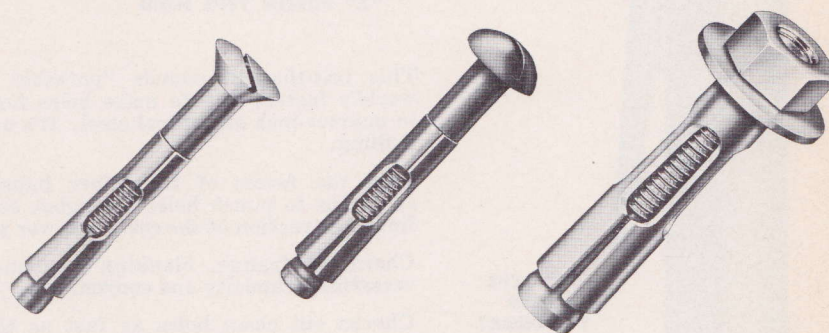


**NO SPOTTING OF
HOLES NECESSARY**
Simply drill right through
hole in fixture.

Remington

"TAPER-TITE"

SELF-ANCHORING MASONRY FASTENERS



Beat tight job schedules with Remington "Taper-Tite" masonry fasteners. For given bolt size, you drill a smaller hole than for any fastener of its type! You use the same size drill bit as fastener diameter.

Gives you the convenience of minimum diameter drilling plus tapered shank self-tightening.

One-piece convenience—they're pre-assembled—ready for use right out of the box.

There's no special plugging, no matching-up of parts and pieces, no need to spot holes for fixtures with "Taper-Tite" masonry fasteners.

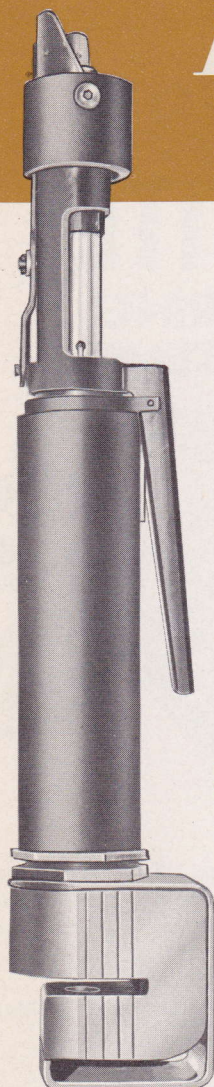
REMINGTON "TAPER-TITE" FASTENERS

CATALOG NUMBER	FASTENER DIAMETER	DRILL AND HOLE DIAMETER	BOLT SIZE	FASTENER LENGTH	HEAD STYLE	HEAD DIAMETER	SAFE LOAD TENSION POUNDS	SHEAR POUNDS	PULL-OUT POUNDS
R2137	1/4"	1/4"	10-24	1 3/8"	Hex	3/8"	300	1776	1310-1375
R2137F	1/4"	1/4"	10-24	2 3/8"	Flat	1/2"	300	1776	1310-1375
R2137-F10	1/4"	1/4"	10-24	2 1/8"	Flat	1/2"	300	1776	1310-1375
R2137R	1/4"	1/4"	10-24	2"	Round	1/2"	300	1776	1310-1375
R2137RP	1/4"	1/4"	10-24	2"	Phillips	1/2"	300	1776	1310-1375
R2275	1/4"	1/4"	10-24	2 1/4"	Hex	3/8"	300	1776	1310-1375
R2275F	1/4"	1/4"	10-24	3"	Flat	1/2"	300	1776	1310-1375
R2275R	1/4"	1/4"	10-24	2 3/4"	Round	1/2"	300	1776	1310-1375
R3150	5/16"	5/16"	1/4"-20	1 1/2"	Hex	1/2"	500	2411	1880
R3150F	5/16"	5/16"	1/4"-20	2 3/8"	Flat	5/8"	500	2411	1880
R3150R	5/16"	5/16"	1/4"-20	2 3/8"	Round	5/8"	500	2411	1880
R4187	3/8"	3/8"	5/8"-18	1 7/8"	Hex	3/8"	850	3880	4090
R4187F	3/8"	3/8"	5/8"-18	2 3/4"	Flat	3/4"	850	3880	4090
R4187R	3/8"	3/8"	5/8"-18	2 1/2"	Round	3/4"	850	3880	4090
R5212	1/2"	1/2"	3/8"-16	2 1/4"	Hex	1 1/16"	1200	7725	5765
R5212-3	1/2"	1/2"	3/8"-16	3"	Hex	1 1/16"	1200	7725	5765
R7414-2 1/2	3/4"	3/4"	5/8"-11	2 1/2"	Hex	1 1/16"	3000	12000	10000
R7414-4	3/4"	3/4"	5/8"-11	4"	Hex	1 1/16"	3000	12000	10000
R7414-6	3/4"	3/4"	5/8"-11	6"	Hex	1 1/16"	3000	12000	10000

Remington

MODEL 414 HOLE PUNCHER

**NOW YOU CAN MAKE HOLES IN STRUCTURAL STEEL
FASTER, EASIER, AT FAR LESS COST**



**"C" TYPE
HEAD
1" THROAT
CLEARANCE**



"Z" PURLIN TYPE HEAD



**"C" TYPE HEAD
2" THROAT CLEARANCE**

This less-than-10 pounds "portable punch press" offers the world's fastest way to make holes for $\frac{3}{8}$ ", $\frac{1}{2}$ ", and $\frac{5}{8}$ " bolts in quarter-inch structural steel. It's up to 100 times faster than drilling.

Uses the forces of 22 caliber industrial loads in 7 graded strengths to punch holes in angles, beams, plates and "Z" purlins at a fraction of the cost of slower methods.

Choice of frames, blanking dies and power loads for extra versatility, capacity and convenience.

Chucks out clean holes as fast as the operator can load and trigger it. Bolt opens and closes with a flick of the wrist.

INDUSTRIAL POWER LOADS



22 Caliber

INDEX NUMBER

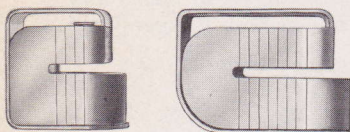
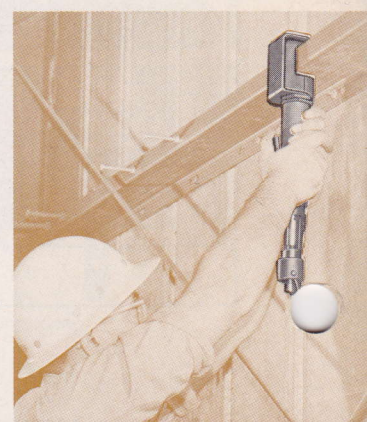
IPL-2
IPL-4
IPL-6
IPL-8
IPL-10
IPL-12
IPL-14

COLOR CODE

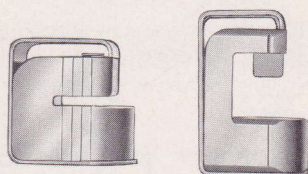
White
Green
Yellow
Red
Blue
Black
Gray

LOAD RATING

Extra Light
Light
Medium
Heavy
Extra Heavy
Magnum
Super



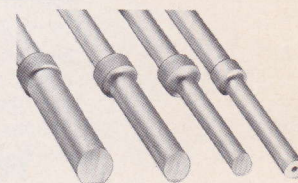
Choice of above heads, 1" or 2" throat, allows holes to be punched at any distance up to 1" or 2" maximum.



Choice of frame heads—made to accept either plate and angle stock or "Z" purlins—gives tool extra versatility.



Precision made blanking dies equip Model 414 for making holes for $\frac{3}{8}$ ", $\frac{1}{2}$ " and $\frac{5}{8}$ " bolts used on $\frac{1}{4}$ " steel.



Specially ground-and-contoured punches are made of high-impact-strength, heat treated alloy chisel steel. Hundreds of holes can be made before punch will require resharpening.

Remington, Power-Mate, Power-Guide and Mighty-Mite are trademarks registered in the United States Patent Office.

Tri-Compact, Pin-Boy, Roto-Ram and Taper-Tite are trademarks of Remington Arms Company, Inc.

REMINGTON ARMS COMPANY, INC.

INDUSTRIAL FASTENING DIVISION

25000 S. WESTERN AVENUE, PARK FOREST, ILLINOIS

In Canada: REMINGTON ARMS OF CANADA LIMITED

36 Queen Elizabeth Blvd., Toronto 18, Ont.

CONVERSION CHART OF POPULAR MAKE FASTENERS

SIZE	ROCKETIP	AMMO	RAMSET	REMINGTON	SPEED	OMARK	NELSON
1"	Drive Pin	D-4100	N-410	2327		H-99	NS-17
1 1/4"	Drive Pin	D-4125	N-413 or N-414	2328		H-91	NS-19
1 1/2"	Drive Pin	D-4150	N-416	2335		--	NS-23
2"	Drive Pin	D-4200	N-419	2329		H-93	NS-25
2 1/2"	Drive Pin	D-4250	N-425	2337		H-94	NS-26
3"	Drive Pin	D-4300	N-430	2330		H-95	NS-27
1 1/4"	Drive Pin	DH-4125	-----	2328-A		H-192	NS-22
3"	Drive Pin	DH-4300	-----	2330-A		H-195	NS-66
1/4"	Eye Pin	D-4301	-----	--		-----	NL-21
3/8"	Thread Pin	D-4038	T-450	2426		T-31	NX-21
5/8"	Thread Pin	D-4058	T-453	2428		T-32	NX-22
3/4"	Thread Pin	DH-4058	TH-453	2428-B		T-37	NE-14
1 1/4"	Thread Pin	DH-4012	T-455	2430-B		T-33	NX-25
2"	Thread Pin	DH-4022	T-457	2431-B		T-38	NX-27
3/4"	Drive Pin	D-4075	N-48	2326		H-90	NS-71
5/8"	Thread Pin	D-4158	T-461	2402		T-27	NX-72
1 1/8"	Thread Pin	D-4122	T-464	2404		T-29	NX-75
1 1/4"	Drive Pin	D-3125	N-613	3336		H-202	NS-20
1 1/2"	Drive Pin	D-3150	N-616	3335		H-203	NS-37
2"	Drive Pin	D-3200	N-619	3329		H-204	NS-32
2 1/2"	Drive Pin	D-3250	N-625	3337		--	--
3"	Drive Pin	D-3300	N-630	3330		H-205	NS-35
1 3/4"	Drive Pin	D-3017	NH-619	3317		H-62	NS-41
2 1/8"	Drive Pin	D-3021	NH-625	3318		H-63	NS-43
2 3/4"	Drive Pin	D-3027	NH-630	--		H-64	NS-45
3 1/2"	Drive Pin	D-3035	NS-635	3348		H-208	NS-50
3 1/2"	Utility Pin	D-3038	TH-454	3478		T-88	NX-45
1"	Thread Pin	D-3010	TH-654	3439		T-42	NN-60
1 1/2"	Thread Pin	D-3015	TH-656	--		T-43	NN-64
2"	Thread Pin	D-3020	TH-657	3440		T-44	NN-58
3/8"	Eye Pin	D-3036	E-698	3601		H-190	NL-30
2 1/4"	Drive Pin	D-3037	NS-624	3345		--	--
1 1/4"	Drive Pin	D-3012	NH-613	3316		H-61	NS-92
1 1/4"	Thread Pin	D-3013	TH-664	3438		T-75	NN-04

NOTE: The above conversion chart is to be used as a general guide only due to minor differences in shank and thread sizes between various manufacturers. All fasteners are listed in the same sequence as found in the ROCKETIP catalogue.